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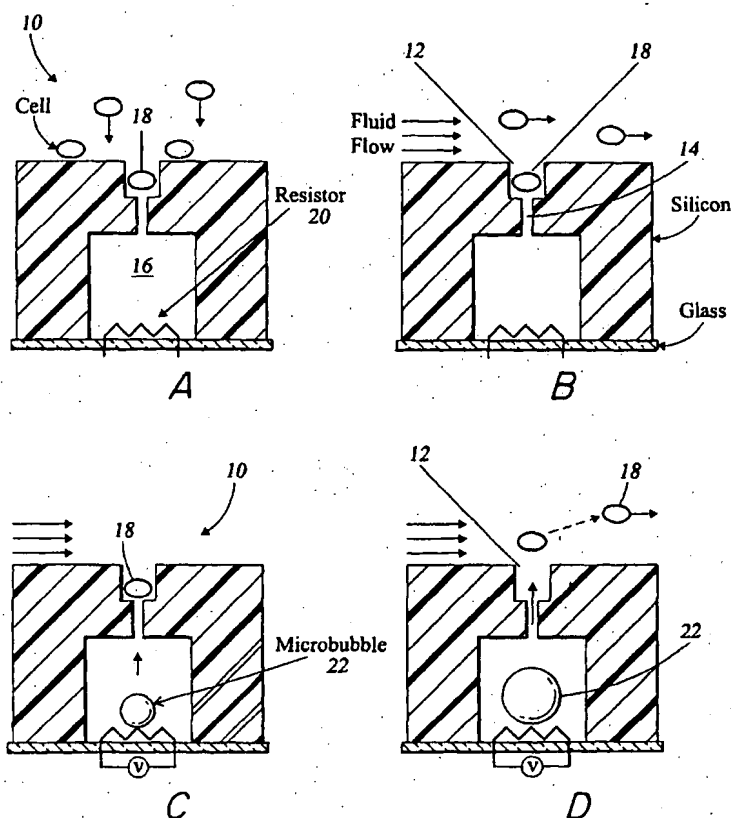
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[Continued on next page]

(54) Title: CELL ANALYSIS AND SORTING APPARATUS FOR MANIPULATION OF CELLS



(57) Abstract: A cell analysis and sorting apparatus is capable of monitoring over time the behaviour of each cell in a large population of cells. The cell analysis and sorting apparatus contains individually addressable cell locations. Each location is capable of capturing and holding a single cell, and selectively releasing that cell from that particular location. In one aspect of the invention, the cells are captured and held in wells, and released using vapor bubbles as a means of cell actuation. In another aspect of the invention, the cells are captured, held and released using electric fields traps.

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# INTERNATIONAL SEARCH REPORT

In ational Application No  
PCT/US 00/30815

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N15/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C12M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X A	WO 99 31503 A (SCHMIDT CHRISTIAN ; VOGEL HORST (CH)) 24 June 1999 (1999-06-24) page 4, line 15 -page 5, line 30 page 7, line 20-34 page 8, line 15 -page 9, line 31 page 13, line 24-32 --- -/--	1-4,6,23 7,30



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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